

**ABSTRACT**

The present invention relates to an automatic measuring device for measuring the dimensions of a tool for a machine tool comprising a spindle (10) for receiving a tool (2) which is capable of being moved in order to interact with the device (1) in order to deduce, according to a measuring system specific to said spindle (10), the dimensions of the tool (2), characterized in that it consists of a bar (3) made of a material having highly elastic properties, one of these ends of which is fixedly attached to a yoke attached to a fixed frame (5) and its opposite free end is in contact with two detectors (6 and 7) placed perpendicular to one another and to a yoke (8) capable of sliding on the flexible bar (3) that is overhung by a platform (9) on which said tool (2) to be measured is capable of resting.

**Figure for the abstract:** figure 3.